



SEQUENCE LISTING

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GEDULIN, BRONISLAVA
BEYNON, GARETH WYN

<120> METHOD FOR PREVENTING GASTRITIS USING AMYLIN OR AMYLIN AGONISTS

<130> 18528.412

<140> 08/851,965
<141> 1997-05-06

<160> 39

<170> PatentIn Ver. 3.3

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Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

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positions 1 and 6

<220>
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<223> amidated Tyr (Tyrosinamide)

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Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

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Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
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Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
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<223> amidated Tyr (Tyrosinamide)

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Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr

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<220>

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Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr

35

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Val His Ser Ser Asn Asn Phe Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

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20 25 30

Gly Ser Asn Thr Tyr
35

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Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

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Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
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His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

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20 25 30

Gly Ser Asn Thr Tyr
35

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Val His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

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Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
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  20          25           30

Ser Asn Thr Tyr
  35

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  20          25           30

Gly Ser Asn Thr Tyr

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20 25 30

Gly Ser Asn Thr Tyr
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20 25 30

Gly Ser Asn Thr Tyr
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Ile His Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
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Gly Ser Asn Thr Tyr
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His Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val Gly
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Ser Asn Thr Tyr
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1

5

10

15

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20 25 30

Gly Ser Asn Thr Tyr
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Gly Ser Asn Thr Tyr
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Ile Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30
Gly Ser Asn Thr Tyr
35

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Val His Ser Ser His Asn Leu Gly Ala Ala Leu Leu Pro Thr Asp Val
20 25 30 \\\
Gly Ser Asn Thr Tyr
35

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Gly Ser Asn Thr Tyr
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His Ser Ser His Asn Leu Gly Ala Ala Leu Pro Ser Thr Asp Val Gly
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Ser Asn Thr Tyr
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Val Arg Ser Ser His Asn Leu Gly Ala Ala Leu Ser Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
35

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1 5 10 15

Val Arg Ser Ser His Asn Leu Gly Ala Ile Leu Pro Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
35

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Val Arg Ser Ser His Asn Leu Gly Pro Ala Leu Pro Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
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Arg Thr Asn Thr Gly Ser Gly Thr Pro
20 25

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Lys Asp Asn Thr Ala Thr Lys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

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His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
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Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
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Gly Ser Asn Thr Tyr
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Ser Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
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Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

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Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
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Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

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Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
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Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

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Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
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His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
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<223> His or Arg

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<222> (29)
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<223> See specification as filed for detailed description of
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      1           5           10          15

Xaa Xaa Xaa Xaa Xaa Asn Xaa Gly Pro Xaa Leu Pro Xaa Thr Xaa Val
      20          25          30

Gly Ser Asn Thr Tyr
      35

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<223> Val, Leu, or Ile

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<223> Ser or Thr

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<223> Ser, Thr, Gln, or Asn

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<223> Phe, Leu, or Tyr

<220>
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<223> Ser, Pro, Leu, Ile, or Thr

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<223> See specification as filed for detailed description of substitutions and preferred embodiments

<400> 37

Xaa Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Xaa Asn Phe Leu

1 5 10 15

Xaa Xaa Xaa Xaa Asn Xaa Gly Pro Xaa Leu Xaa Pro Thr Xaa Val

20 25 30

Gly Ser Asn Thr Tyr

35

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<223> Val, Leu, or Ile

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<223> Ser or Thr

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<222> (31)
<223> Asn, Asp, or Gln

<220>
<223> See specification as filed for detailed description of
      substitutions and preferred embodiments

<400> 38
Xaa Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Xaa Asn Phe Leu
    1          5          10          15

Xaa Xaa Xaa Xaa Xaa Asn Xaa Gly Xaa Xaa Leu Pro Pro Thr Xaa Val
    20         25          30

```

Gly Ser Asn Thr Tyr

35

<210> 39

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
protein construct

<220>

<221> MOD_RES

<222> (1)

<223> Lys, Ala, Ser or not present

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (13)

<223> Ala, Ser, or Thr

<220>

<221> MOD_RES

<222> (17)

<223> Val, Leu, or Ile

<220>

<221> MOD_RES

<222> (18)

<223> His or Arg

<220>

<221> MOD_RES

<222> (19)

<223> Ser or Thr

<220>

<221> MOD_RES

<222> (20)

<223> Ser, Thr, Gln, or Asn

<220>

<221> MOD_RES

<222> (21)

<223> Asn, Gln, or His

<220>

<221> MOD_RES

<222> (23)

<223> Phe, Leu, or Tyr

<220>

<221> MOD_RES

<222> (26)

<223> Ile, Val, Ala, or Leu

<220>

<221> MOD_RES

<222> (31)

<223> Asn, Asp, or Gln

<220>

<223> See specification as filed for detailed description of substitutions and preferred embodiments

<400> 39

Xaa	Xaa	Asn	Thr	Ala	Thr	Xaa	Ala	Thr	Gln	Arg	Leu	Xaa	Asn	Phe	Leu
1				5				10						15	

Xaa Xaa Xaa Xaa Xaa Asn Xaa Gly Pro Xaa Leu Pro Pro Thr Xaa Val

20				25				30							
----	--	--	--	----	--	--	--	----	--	--	--	--	--	--	--

Gly Ser Asn Thr Tyr

35															
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--